

ABSTRACT OF THE DISCLOSURE

A direct current brushless motor with axial winding and radial air-gap includes an upper housing and a lower housing each having a shaft seat defining an axial hole. A coil seat is mounted in the upper and lower housing. The poles of the upper and lower silicon steel plates are extended into the central hole of the coil seat, and are arranged in a staggered manner with each other. An insulating layer is provided in the upper and lower housings for isolating the circuit board and the upper housing and the lower housing. A rotor has a rotation shaft pivotally mounted in the axial hole of the upper housing and the lower housing. The rotor has a permanent magnet mating with the positions of the poles of the upper and lower silicon steel plates.